

Please type a plus sign (+) inside this box

10-11-01

Box-Seq A

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
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10/10/01

UTILITY PATENT APPLICATION TRANSMITTAL		<i>(Only for new nonprovisional applications under 37 CFR 1.53(c)(1))</i>	<i>Attorney Docket No.</i>	LEX-0251-USA
		<i>First Inventor</i>	Friddle, et al.	
		<i>Title</i>	Novel Human Ion Channel Protein and Polynucleotides Encoding	
		<i>Express Mail Label No.</i>	EL747066247US	

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. Fee Transmittal Form (e.g., PTO/SB/17)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification *[Total Pages* 32 *]*
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Description of the drawings (if filed)
 - Brief Summary of the Invention
 - Claim(s)
 - Abstract of the disclosure
4. Drawing(s) (35 U.S.C. 113) *[Total Sheets* *]*
5. Oath or Declaration *[Total Pages* 2 *]*
 - a. Unexecuted
 - b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. diskette
 - ii. paper 3 pages
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
17. Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Prior application information: Examiner _____

Group Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label



or Correspondence address below

Name	PATENT TRADEMARK OFFICE			
Address				
	City	State	Zip	
Country	Telephone	Fax		

Name (Print/Type)	Lance K. Ishimoto		Registration No. (Attorney/Agent)	41,866
Signature	<i>DAVID W. HIBLER Reg. No. 41,071</i>		Date	October 10, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	To be assigned
Filing Date	10/10/01
First Named Inventor	Friddle et al.
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No.	LEX-0251-USA

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number	50-0892
Deposit Account Name	Lexicon Genetics Incorporated
<input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	

2. Payment Enclosed:

Check	Credit card	Money Order	Other
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FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
101	740	201	370 Utility filing fee
106	330	206	165 Design filing fee
107	510	207	255 Plant filing fee
108	740	208	370 Reissue filing fee
114	160	214	80 Provisional filing fee
SUBTOTAL (1)			(\$370.00)

2. EXTRA CLAIM FEES

Paid	Extra Claims	Fee from below	Fee
Total Claims	4	-20** = 0	X =
Independent Claims	4	-3** = 1	X = 42.00 = 42.00
Multiple Dependent			 =

Large Entity	Small Entity	Fee Description
Fee Code	Fee (\$)	Fee Code
103	18	203 9 Claims in excess of 20
102	84	202 42 Independent claims in excess of 3
104	280	204 140 Multiple dependent claim, if not paid
109	84	209 42 **Reissue independent claims over original patent
110	18	210 9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$42.00)

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)				
3. ADDITIONAL FEES	Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
105	130	205	65 Surcharge - late filing fee or oath	
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English specification	
147	2,520	147	2,520 For filing a request for ex parte reexamination	
112	920*	112	920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840* Requesting publication of SIR after	
115	110	215	55 Extension for reply within first month	
116	400	216	200 Extension for reply within second month	
117	920	217	460 Extension for reply within third month	
118	1,440	218	720 Extension for reply within fourth month	
128	1,960	228	980 Extension for reply within fifth month	
119	320	219	160 Notice of Appeal	
120	320	220	160 Filing a brief in support of an appeal	
121	280	221	140 Request for oral hearing	
138	1,510	138	1,510 Petition to institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,280	241	640 Petition to revive - unintentional	
142	1,280	242	640 Utility issue fee (or reissue)	
143	460	243	230 Design issue fee	
144	620	244	310 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	
123	50	123	50 Processing fee under 37 CFR 1.17(q)	
126	180	126	180 Submission of Information Disclosure Stmt	
581	40	581	40 Recording each patent assignment per property (times number of properties)	
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370 Request for Continued Examination (RCE)	
169	900	169	900 Request for expedited examination of a design application	
Other fee (specify) _____				
*Reduced by Basic Filing Fee Paid				
SUBTOTAL (3) (\$)				

SUBMITTED BY		Complete if applicable		
Name (Print/Type)	Lance K. Ishimoto	Registration No. (Attorney/Agent)	41,866	Telephone 281-863-3333
Signature	<i>Lance K. Ishimoto by David N. Huber</i>	DAVID N. HUBER REG. NO. 41,071	Date	10/10/01

WARNING: Information on this form may be made public. Credit card information should not be included on this form. Provide credit card information and authorization at PTO-2038.

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Friddle *et al.*

U.S. Ser. No.: to be assigned Attorney Docket No.: LEX-0251-USA

Filing Date: October 10, 2001

For: Novel Human Ion Channel
Protein and Polynucleotides Encoding
the Same

VERIFIED STATEMENT

Box Patent Application
Commission for Patents
Washington, D.C. 20231

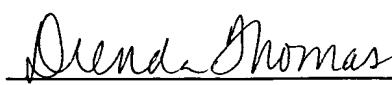
Sir:

I, DRENDA D. THOMAS, do declare and state as follows:

1. I prepared a Sequence Listing in paper and computer readable form under 37 C.F.R. Sec. 1.821-1.825 in connection with the above-captioned patent application, both of which are being submitted herewith.
2. I hereby state that the contents of the paper and computer readable copies of the Sequence Listing are the same.

Signed,

October 10, 2001
Date



Drenda D. Thomas